

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1.-13. (Cancelled)

14. (Currently Amended) The process as claimed in Claim ~~[[13]]~~ 67, wherein the nonbasic inert filler is carbon black, a diatomaceous earth, or an acidic or neutral oxide, or a mixture thereof.

15. (Previously Presented) The process as claimed in Claim 14, wherein the acidic or neutral oxide is Al_2O_3 , Na_2O , TiO_2 , MgO , silica or zeolite, or a mixture thereof.

16. (Cancelled)

17. (Currently Amended) The process as claimed in Claim ~~[[13]]~~ 67, wherein Y is phenyl.

18-25. (Cancelled)

26. (Currently Amended) The process as claimed in Claim ~~[[13]]~~ 67, wherein the catalyst is triflic acid (TFOH) of formula (I) (i) with $m = 1$ and/or the trifluoromethanesulfonimide acid (TFSI) of formula (I) (iii) with $m = 1$.

27. (Previously Presented) The process as claimed in Claim 14, wherein the catalyst is triflic acid (TFOH) of formula (I) (i) with $m = 1$ and/or the trifluoromethanesulfonimide acid (TFSI) of formula (I) (iii) with $m = 1$.

28-36. (Cancelled)

37. (Currently Amended) The process as claimed in Claim ~~[[13]]~~ 67, wherein the catalyst is supported on the nonbasic inert filler, the concentration of acid catalyst (I) is between 1 ppm and 2% by weight relative to the starting resin and wherein the catalyst (I)/inert filler support mass ratio is between 0.1 and 10.

38. (Previously Presented) The process as claimed in Claim 37, wherein the inert filler support is carbon black.

39. (Previously Presented) The process as claimed in Claim 37, wherein the catalyst (I)/inert filler support mass ratio is of the order of 1.

40. (Previously Presented) The process as claimed in Claim 39, wherein the inert filler support is carbon black.

41. (Previously Presented) The process as claimed in Claim 37, wherein the catalyst is triflic acid (TFOH) of formula (I) (i) with $m = 1$ and/or the trifluoromethanesulfonimide acid (TFSI) of formula (I) (iii) with $m = 1$.

42. (Previously Presented) The process as claimed in Claim 41, wherein the inert filler support is carbon black.

43-55. (Cancelled)

56. (Currently Amended) The process as claimed in Claim ~~[[55]]~~ 68, wherein the inert filler comprises carbon black, and/or wherein the reaction temperature is between 50°C and 100°C, and/or wherein the inert filler is removed from the reaction medium by filtration.

57. (Currently Amended) The process as claimed in Claim ~~[[55]]~~ 68, wherein the acid catalyst is triflic acid (TFOH) of formula (I) (i) with $m = 1$ and/or the trifluoromethanesulfonimide acid (TFSI) of formula (I) (iii) with $m = 1$.

58. (Previously Presented) The process as claimed in Claim 57, wherein the inert filler comprises carbon black, and/or wherein the reaction temperature is between 50°C and 100°C, and/or wherein the inert filler is removed from the reaction medium by filtration.

59-60. (Cancelled)

61. (Currently Amended) The process as claimed in Claim ~~[[55]]~~ 68, wherein the organic solvent is provided in the reaction medium by means of a solution of starting POS resin in said solvent, and wherein the nonbasic inert filler is in the form of powder dispersed in the POSf bearing functional units.

62. (Currently Amended) The process as claimed in Claim ~~[[55]]~~ 68, wherein the organic solvent is xylene or toluene, and/or wherein the nonbasic inert filler is carbon black.

63. (Cancelled).

64. (Currently Amended) The process as claimed in Claim ~~[[63]]~~ 69, wherein other functionalization radicals Y_1 bearing at least one ethylenic unsaturation are grafted by hydrosilylation onto the $\equiv\text{Si-H}$ or $\equiv\text{Si-alkenyl}$ units, respectively, of the redistributed resin.

65-66. (Cancelled).

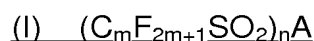
67. (Currently Amended) ~~[[The]]~~ A process as claimed in Claim 13, for preparing functionalized polyorganosiloxane (POS) resins comprising units M: $(\text{R}_3\text{SiO}_{1/2})$, Q: $(\text{SiO}_{4/2})$ and M': $(\text{Y}_a\text{R}_{3-a}\text{SiO}_{1/2})$ and optionally D: $(\text{R}_2\text{SiO}_{2/2})$ and/or D': $(\text{RYSiO}_{2/2})$ and T: $(\text{RSiO}_{3/2})$ and/or T': $(\text{YSiO}_{3/2})$, wherein:

the radicals R, which are identical or different, represent C₁-C₁₀ alkyl or C₈-C₁₂ aryl; and

the radicals Y, which are identical or different, represent a functional group Y selected from the group consisting of hydrogen, alkenyl, alkynyl, aryl, (alkyl)epoxy, ether, polyether, carboxylic acid, amide, amine, halide, alcohol, thiol and other sulfur derivative;

said process comprising conducting a redistribution reaction between a POS resin and a POSf compound bearing functional units M' and/or D' and/or T', as defined above, in the presence of an acid catalyst, wherein:

at least one catalyst has formula (I) below:



wherein:

m is an integer greater than or equal to 1;

n is an integer equal to 1 or 2 and A represents OH, NH₂ or NH

with:

(i) n = 1 and A = OH; or

(ii) n = 1 and A = NH₂ or NHR with R being a radical of

SO₂-Z type, with Z being a group other than C_mF_{2m+1}; or

(iii) n = 2 and A = NH;

and wherein said catalyst is in the presence of a nonbasic inert filler;

wherein the redistributed and functionalized resin obtained is subjected to at least one other redistribution/functionalization, using POSfs bearing functional units.

68. (Currently Amended) ~~[[The]]~~ The process as claimed in Claim 55, for preparing functionalized polyorganosiloxane (POS) resins comprising units M:

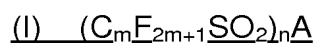
(R₃SiO_{1/2}), Q: (SiO_{4/2}) and M': (Y_aR_{3-a}SiO_{1/2}) and optionally D: (R₂SiO_{2/2}) and/or D': (RYSiO_{2/2}) and T: (RSiO_{3/2}) and/or T': (YSiO_{3/2}), wherein:

the radicals R, which are identical or different, represent C₁-C₁₀ alkyl or C₈-C₁₂ aryl; and

the radicals Y, which are identical or different, represent a functional group Y selected from the group consisting of hydrogen, alkenyl, alkynyl, aryl, (alkyl)epoxy, ether, polyether, carboxylic acid, amide, amine, halide, alcohol, thiol and other sulfur derivative;

said process comprising conducting a redistribution reaction between a POS resin and a POSf compound bearing functional units M' and/or D' and/or T', as defined above, in the presence of an acid catalyst, wherein:

at least one catalyst has formula (I) below:



wherein:

m is an integer greater than or equal to 1;

n is an integer equal to 1 or 2 and A represents OH, NH₂ or NH

with:

(i) n = 1 and A = OH; or

(ii) n = 1 and A = NH₂ or NHR with R being a radical of

SO₂-Z type, with Z being a group other than C_mF_{2m+1}; or

(iii) n = 2 and A = NH;

and wherein said catalyst is in the presence of a nonbasic inert filler;

said process comprising the following essential steps:

- (1) combining the starting POS resin, the POSf bearing functional units, the acid catalyst (I) and the nonbasic inert filler in an organic solvent;
 - (2) reacting at a temperature θ r greater than or equal to room temperature and less than or equal to the boiling point of the solvent;
 - (3) optionally quenching the reaction by adding an agent for neutralizing the acid catalyst (I); and
 - (4) removing the inert filler from the reaction medium;
- wherein the redistributed and functionalized resin obtained is subjected to at least one other redistribution/functionalization, using POSfs bearing functional units.

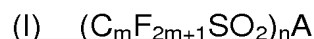
69. (Currently Amended) ~~[[The]]~~ A process as claimed in Claim 63, for preparing functionalized polyorganosiloxane (POS) resins comprising units M: $(R_3SiO_{1/2})$, Q: $(SiO_{4/2})$ and M': $(Y_aR_{3-a}SiO_{1/2})$ and optionally D: $(R_2SiO_{2/2})$ and/or D': $(RYSiO_{2/2})$ and T: $(RSiO_{3/2})$ and/or T': $(YSiO_{3/2})$, wherein:

the radicals R, which are identical or different, represent C_1 - C_{10} alkyl or C_8 - C_{12} aryl; and

the radicals Y, which are identical or different, represent a functional group Y selected from the group consisting of hydrogen, alkenyl, alkynyl, aryl, (alkyl)epoxy, ether, polyether, carboxylic acid, amide, amine, halide, alcohol, thiol and other sulfur derivative;

said process comprising conducting a redistribution reaction between a POS resin and a POSf compound bearing functional units M' and/or D' and/or T', as defined above, in the presence of an acid catalyst, wherein:

at least one catalyst has formula (I) below:



wherein:

m is an integer greater than or equal to 1;

n is an integer equal to 1 or 2 and A represents OH, NH₂ or NH

with:

(i) n = 1 and A = OH; or

(ii) n = 1 and A = NH₂ or NHR with R being a radical of

SO₂-Z type, with Z being a group other than C_mF_{2m+1}; or

(iii) n = 2 and A = NH;

and wherein said catalyst is in the presence of a nonbasic inert filler;

wherein Y = H or alkenyl in the functional units M' and/or D' and/or T' of the POSf, and wherein, after the redistribution, other functionalization radicals Y₁ bearing at least one unsaturation or at least one Si-H unit are grafted for hydrosilylation onto the ≡Si-H or ≡Si-alkenyl units, respectively, of the redistributed resin;

wherein the redistributed and functionalized resin obtained is subjected to at least one other redistribution/functionalization, using POSfs bearing functional units.

70. (Currently Amended) ~~[[The]]~~ A process as claimed in Claim 65, for preparing functionalized polyorganosiloxane (POS) resins comprising units M:

(R₃SiO_{1/2}), Q: (SiO_{4/2}) and M': (Y_aR_{3-a}SiO_{1/2}) and optionally D: (R₂SiO_{2/2}) and/or D':

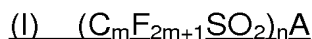
(RYSiO_{2/2}) and T: (RSiO_{3/2}) and/or T': (YSiO_{3/2}), wherein:

the radicals R, which are identical or different, represent C₁-C₁₀ alkyl or C₈-C₁₂ aryl; and

the radicals Y, which are identical or different, represent a functional group Y selected from the group consisting of hydrogen, alkenyl, alkynyl, aryl, (alkyl)epoxy, ether, polyether, carboxylic acid, amide, amine, halide, alcohol, thiol and other sulfur derivative;

said process comprising conducting a redistribution reaction between a POS resin and a POSf compound bearing functional units M' and/or D' and/or T', as defined above, in the presence of an acid catalyst, wherein:

at least one catalyst has formula (I) below:



wherein:

m is an integer greater than or equal to 1;

n is an integer equal to 1 or 2 and A represents OH, NH₂ or NH

with:

(i) n = 1 and A = OH; or

(ii) n = 1 and A = NH₂ or NHR with R being a radical of

SO₂-Z type, with Z being a group other than C_mF_{2m+1}; or

(iii) n = 2 and A = NH;

and wherein said catalyst is in the presence of a nonbasic inert filler;

said process comprising the following essential steps:

(1) combining the starting POS resin, the POSf bearing functional units, the acid catalyst (I) and the nonbasic inert filler in an organic solvent;

(2) reacting at a temperature θ r greater than or equal to room temperature and less than or equal to the boiling point of the solvent;

(3) optionally quenching the reaction by adding an agent for neutralizing the acid catalyst (I); and

(4) removing the inert filler from the reaction medium;

wherein Y = H or alkenyl in the functional units M' and/or D' and/or T' of the POSf, and wherein, after the redistribution, other functionalization radicals Y₁ bearing at least one unsaturation or at least one Si-H unit are grafted for hydrosilylation onto the \equiv Si-H or \equiv Si-alkenyl units, respectively, of the redistributed resin;

wherein the redistributed and functionalized resin obtained is subjected to at least one other redistribution/functionalization, using POSfs bearing functional units.

71-75. (Cancelled)